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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/730,685	12/08/2003	Richard M. Lange	3224R	5720
26645 7590 01/24/2008 THE LUBRIZOL CORPORATION ATTN: DOCKET CLERK, PATENT DEPT. 29400 LAKELAND BLVD. WICKLIFFE, OH 44092			EXAMINER MCAVOY, ELLEN M	
			ART UNIT 1797	PAPER NUMBER
			MAIL DATE 01/24/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/730,685

Applicant(s)

LANGE ET AL.

Examiner

Ellen M. McAvoy

Art Unit

1797

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,6 and 9-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,6 and 9-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3, 6 and 9-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hentschel et al (4,424,400) alone, or in combination with Bartley et al (7,045,488).

Hentschel et al ["Hentschel"] disclose an oligoisobutylcyclohexane corresponding to formula (I) set forth in column 1, lines 46-55, wherein substituent R⁶ denotes a branched chain C₁₂ to C₄₀ alkyl group derived from trimeric to decameric isobutene. Hentschel teaches that the compound(s) may be used as a heat transfer medium or dielectric liquid. Hentschel teaches that the compound(s) may be obtained by Friedel-Crafts alkylation of aromatic compounds with trimeric to decameric isobutene followed by hydrogenation. Suitable catalysts include Friedel-Crafts catalysts or Lewis acids such as sulfuric acid and acid aluminas. See column 2, lines 30-65. Additional catalysts are set forth in column 3, lines 24-36. The examiner is of the position that Hentschel appears to meet the limitations of the hydrogenated addition product and of the methods of preparing the hydrogenated addition product of the above rejected claims. Applicants' invention differs in some dependent claims by adding at least one conventional lubricant additive to the base oil compound such as dispersants, detergents, friction modifiers, etc., and by mixing the base oil compound with other base oils for use in a power transmission apparatus. However, Bartley et al ["Bartley"] is added to teach that similar hydrocarbon compounds (branched alkyl-substituted hydrogenated cyclic compounds) may be used as traction

fluids either alone or in combination with other fluid components such as mineral oils and synthetic oils. Bartley also allows for the addition of conventional additives such as dispersants, detergents, viscosity modifiers, etc. See column 5, line 56 to column 6, line 44 of Bartley. Thus the examiner is of the position that it would have been obvious to the skilled artisan to have combined the hydrocarbon compounds of Hentchel with additional base oils and conventional additives if their known imparted properties were so desired.

The rejection of claims 1, 3, 6, 9-21 and 27 under 35 U.S.C. 103 (a) as being unpatentable over Bartley et al (7,045,488) made in the previous office action is withdrawn in view of applicants' arguments filed 01 August 2007.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen M. McAvoy whose telephone number is (571) 272-1451. The examiner can normally be reached on M-F (7:30-5:00) with alt. Fridays off.

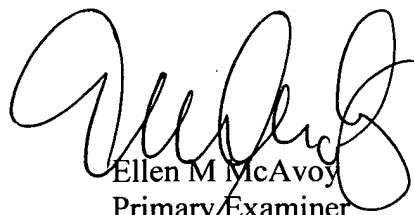
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on (571) 272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Ellen M. McAvoy
Primary Examiner
Art Unit 1797

EMcAvoy
January 18, 2008